

Name of Journal: *World Journal of Diabetes*

Manuscript NO: 53711

Manuscript Type: ORIGINAL ARTICLE

Observational Study

Relationship between diabetic polyneuropathy, serum visfatin, and oxidative stress biomarkers

Banu Buyukaydin, Eray Metin Guler, Tahsin Karaaslan, Atilla Olgac, Mehmet Zorlu, Muharrem Kiskac, Abdurrahim Kocyigit

Abstract

BACKGROUND

Diabetic polyneuropathy is a very common complication of diabetes. Numerous studies are available in terms of pathogenesis. But examination methods with low reliability are still not standardized and generally time consuming. High-

Match Overview

1	Crossref 28 words Aslan, M.. "Serum prolidase activity and oxidative status in Heli cobacter pylori infection", <i>Clinical Biochemistry</i> , 200701	1%
2	Crossref 24 words "Abstracts of the IDF Congress in Paris 2003", <i>Diabetologia</i> , 2003	1%
3	Internet 13 words crawled on 10-May-2020 eje.bioscientifica.com	<1%
4	Internet 13 words crawled on 30-Mar-2020 www.tandfonline.com	<1%
5	Crossref 12 words Aysegül Nese Citak Kurt, Alperen Aydın, Hatice Demir, Özca ... Erel. "Headache in children and dynamic thiol/disulfide balanc	<1%
6	Crossref 12 words Bayram Gulpamuk, Mustafa Koç, Mustafa Salih Karatepe, Ayd an Yildiz, Ozcan Erel, Salim Neselioglu, Pelin Yilmazbas. "Nov	<1%





The relationship between diabetic polyneuropathy, serum v



ALL

IMAGES

VIDEOS

关闭取词

28,300 Results

Any time ▼

Association Between BMI and Inflammation Among Diabetic ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6941393>

Dec 10, 2019 · Obesity is associated with chronic diseases such as **diabetic polyneuropathy** (DPN). The pathogenesis of DPN is not completely known. Inflammation, **oxidative stress**, and mitochondrial dysfunction have been involved in the pathogenesis of DPN. About 50% of **diabetic** patients are expected to observe symptoms of **diabetic** neuropathy.

Circulating Oxidative Stress Biomarkers in Clinical ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6535859>

May 12, 2019 · **Oxidative stress**, defined as an imbalance between the **production of reactive oxygen** species (ROS) and antioxidant defence systems, has been often associated with the development of **diabetes** and its complications [4–6]. Several **biomarkers of oxidative stress** are available, including ROS themselves.

Cited by: 8**Author:** Elisabetta Bigagli, Maura Lodovici**Publish Year:** 2019

(PDF) The Relation Of Oxidative Stress Biomarkers With ...

https://www.researchgate.net/publication/318416357_The_Relation_Of_Oxidative_Stress...

levels of oxidative stress biomarkers and proinflammatory cytokines was searched in gestational **diabetes mellitus** (GDM) patients in order to evaluate the possible **role of oxidative stress** in ongoing proinflammatory condition and impaired glucose homeostasis.

Circulating Oxidative Stress Biomarkers in Clinical ...

<https://www.hindawi.com/journals/omcl/2019/5953685> ▼

Emerging evidence also points out **the relationship between serum PON1** and **serum HO1** in T2DM and its complications. Overall, enhanced **oxidative damage** represents an underlying mechanism of **glucose toxicity** in T2DM and its related micro- and macrovascular complications suggesting that it may be considered as a potential additional target for **pharmacotherapy**.

Cited by: 8**Author:** Elisabetta Bigagli, Maura Lodovici**Publish Year:** 2019

Relationship between diabetic polyneuropathy, serum vis



ALL

IMAGES

VIDEOS

28,700 Results

Any time ▼

Circulating Oxidative Stress Biomarkers in Clinical ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6535859>

May 12, 2019 - **Oxidative stress**, defined as an imbalance **between** the production of reactive oxygen species (ROS) and antioxidant defence systems, has been often associated with the development of **diabetes and** its complications [4–6]. Several **biomarkers** of **oxidative stress** are available, including ROS themselves.

Cited by: 10

Author: Elisabetta Bigagli, Maura Lodovici

Publish Year: 2019

Circulating Oxidative Stress Biomarkers in Clinical ...

<https://www.hindawi.com/journals/omcl/2019/5953685> ▼

Oxidative stress, defined as an imbalance between the production of **reactive oxygen species** (ROS) and antioxidant defence systems, has been often associated with the development of **diabetes** and its complications [4–6].

Cited by: 10

Author: Elisabetta Bigagli, Maura Lodovici

Publish Year: 2019

Role of inflammatory biomarkers in diabetic peripheral ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6123055>

Jan 22, 2018 - **Diabetic peripheral neuropathy** (DPN) is the most common **chronic neurological complication of diabetes** 1. Small and large peripheral nerve fibers can be involved in DPN. Large nerve fiber damage causes paresthesia, sensory loss and muscle weakness, and small nerve fiber damage is associated with pain, anesthesia, foot ulcer and autonomic symptoms.

Cited by: 11

Author: Heung Yong Jin, Tae Sun Park



Relationship between diabetic polyneuropathy, serum visfatin, and



ALL

IMAGES

VIDEOS

MAPS

NEWS

SHOPPING

28,800 Results

Any time ▾

[Association Between BMI and Inflammation Among Diabetic ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6941393>

Dec 10, 2019 · Inflammation, **oxidative stress**, and mitochondrial dysfunction have been involved in the pathogenesis of DPN. About 50% of **diabetic patients** are expected to observe **symptoms of diabetic neuropathy**. **Diabetic neuropathy** can be attributed to **disability** related to foot ulceration, amputation, and walking disturbance.

Author: Gholamreza Askari, Tayebbeh Mottaghi... **Publish Year:** 2019

[Circulating Oxidative Stress Biomarkers in Clinical ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6535859>

May 12, 2019 · **Oxidative stress**, defined as an imbalance between the production of **reactive oxygen** species (ROS) and antioxidant defence systems, has been often associated with the development of **diabetes** and its complications [4–6]. Several **biomarkers of oxidative stress** are available, including ROS themselves.

Cited by: 10

Author: Elisabetta Bigagli, Maura Lodovici

Publish Year: 2019

[Role of inflammatory biomarkers in diabetic peripheral ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6123055>

Jan 22, 2018 · **Diabetic peripheral neuropathy** (DPN) is the most common **chronic neurological complication of diabetes** 1. Small and large peripheral nerve fibers can be involved in DPN. Large nerve fiber damage causes paresthesia, sensory loss and muscle weakness, and small nerve fiber damage is associated with pain, anesthesia, foot ulcer and autonomic symptoms.

Cited by: 11

Author: Heung Yong Jin, Tae Sun Park

Publish Year: 2018

[Circulating Oxidative Stress Biomarkers in Clinical ...](#)

<https://www.hindawi.com/journals/omcl/2019/5953685>